



Lahoma Regional Wheat Variety Trial

wheat.okstate.edu

Cooperator: OSU North Central Research Station
 Planting & harvest dates: 10/11/2023 & 06/06/2024
 Management: Grain-only
 Tillage: Conventional

Extension Educator: Rick Nelson
 Previous crop: Austrian winter peas
 Soil Type: Pond Creek silt loam
 Soil test: pH=6.5, N= 140, P= 30, K= 252

Licensee	Variety	Grain Yield			Test Weight 2023-24	Wheat Protein 2023-24	Stripe rust severity
		2023-24	2-Year	3-year			
		----- bu/ac -----			-- lb/bu --	-- % --	-- % --
OGI	Paradox	79	74	78	61.9	12.0	0
AgriPro	AP24 AX	77	--	--	59.3	11.8	13
AgriPro	AP Roadrunner	76	--	--	60.2	11.7	23
PlainsGold	Canvas	76	73	77	60.6	11.5	15
PlainsGold	CO18035RA	75	--	--	60.6	11.8	30
LCS	LCS Radar	74	--	--	61.7	12.3	4
OGI	Gallagher	74	70	72	62.5	12.5	8
OGI	Showdown	72	70	75	60.5	11.8	8
LCS	LCS Warbird AX	72	--	--	62.1	12.0	10
LCS	LCS Galloway AX	72	69	--	61.7	13.1	18
OGI	Breadbox	70	--	--	62.2	11.9	2
OGI	Strad CL+	70	62	64	61.8	14.0	4
PlainsGold	Kivari AX	69	70	--	58.9	10.8	65
LCS	LCS Steel AX	69	66	72	59.8	11.9	35
AGSECO	AG Golden	69	68	76	60.0	11.9	15
OGI	High Cotton	68	65	--	62.6	12.2	0
OGI	OK Corral	68	64	68	60.6	11.4	0
AgriPro	Bob Dole	68	70	73	61.3	12.7	13
Armor	AR Iron Eagle 22AX	67	--	--	60.0	11.5	30
OGI	Doublestop CL+	67	63	66	63.8	15.0	2
Westbred	WB4401	67	65	70	62.8	12.0	8
PlainsGold	Byrd CL Plus	67	--	--	60.4	12.1	45
Armor	AR Turret 25	65	--	--	61.7	12.5	0
Croplan	CP7017AX	65	64	72	60.7	11.0	20
Croplan	CP7869	65	--	--	61.5	12.6	0
KWA	KS Providence	65	71	73	59.0	13.1	10
LCS	LCS Atomic AX	65	65	69	60.4	12.2	4
LCS	LCS Helix AX	65	67	74	61.1	12.0	25
OGI	Firebox	64	62	--	62.8	13.2	5
KWA	KS Mako	64	--	--	61.8	11.4	13
AgriPro	AP Bigfoot	64	61	--	59.7	11.7	35
Westbred	WB4422	64	66	75	60.0	12.0	35
PlainsGold	Whistler	63	--	--	60.9	11.1	35
PlainsGold	Crescent AX	63	66	70	61.0	11.4	30
OGI	Smith's Gold	63	61	66	62.6	12.1	0
LCS	LCS Runner	63	--	--	59.5	11.4	33
AgriPro	SY Wolverine	62	65	--	58.7	12.2	18
OGI	Big Country	62	65	63	62.2	12.5	0
AgriPro	AP Prolific	61	66	74	59.3	13.2	13
LCS	LCS Photon AX	61	59	65	59.2	11.6	68
Westbred	WB4792	60	59	64	63.9	11.3	15
OGI	Uncharted	58	55	58	60.8	12.5	10
Croplan	CP7220	58	--	--	62.7	12.3	15
AGSECO	AG Radical	57	65	72	59.2	12.2	68
OGI	Green Hammer	55	61	62	62.1	13.7	5
Westbred	WB4632	51	61	--	57.4	11.5	75
LCS	LCS Julep	49	58	64	60.7	12.1	35
OGI	Butler's Gold	44	50	54	63.1	14.0	0
Experimentals							
OSU	OK16107133-19-3	62	61	--	61.5	13.5	0
OSU	OK16107133-19-4	56	--	--	60.1	13.4	0
OSU	OK198417C	66	--	--	63.4	12.7	0
OSU	OK20708	80	--	--	61.6	12.0	10
Mean		65	64	69	61.0	12.2	18
LSD (0.05)		9	7	10	1.0	0.8	--

Notes: Grain yield and protein concentration were adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. Severe stripe rust pressure was evident at and after heading. Severity ratings were collected on April 18 (around heading). Leaf rust fungal disease was observed at severe pressure after heading. Double-dashes"--" = data not available.